

1. A molding composition consisting essentially of:

5 a. from 55 to 85 weight percent of thermoplastic polymer particles having a melt index less than 30 and a particle size no greater than about 40 mesh; and

b. a carrier and binder component selected from the group consisting of petroleum jelly, very low density polyolefins, hydrocarbon waxes, hydrocarbon tackifiers and mixtures thereof in an amount from 1 to 45 weight percent of the composition.

10 2. The molding composition of claim 1 wherein the carrier and tackifier component is present at a concentration from 15 to 45 weight percent of the molding composition.

15 3. The molding composition of claim 2 wherein the carrier and tackifier component is polyethylene having a density less than 0.9 grams/cubic centimeters.

4. The molding composition of claim 2 wherein the carrier and tackifier component includes petroleum jelly.

5. The molding composition of claim 1 including from 5 to 10 weight percent of reinforcement fibers.

20 6. The molding composition of claim 1 wherein the carrier and tackifier component includes a low melting point hydrocarbon wax.

7. The method of rotational molding wherein hollow-form plastic parts are formed by charging thermoplastic polymer particles to a rotational mold comprising at least two mold parts having sealing faces which mate together on a parting line to form a closed internal mold cavity, closing and heating the mold to the molding temperature of the polyolefin while rotating the mold about its major and minor axes for a time sufficient to form the molded part, cooling the mold to a demolding temperature, opening the mold and ejecting the molded part, the improvement which comprises:

applying the molding composition of claim 1 on a selected internal area of the mold parts at a temperature from 90 to 190 degrees F. prior to closing and heating the mold.

8. The method of claim 7 wherein a plug of the molding composition is applied to a selected wall area of the mold and the plug cures into an integral, interior boss on the molded part during the heating and rotating of the mold.

20 9. The method of claim 7 wherein a bead of the molding composition is applied to a selected wall area of the mold and the bead cures into an integral, interior rib on the molded part during the heating and rotating of the mold.

25        10. The method of claim 7 wherein the mold has at least one recess in its wall and the molding composition is applied to fill the recess and cures into an integral, exterior protrusion on the molded part.

11. The method of claim 7 wherein the molding composition is formed into a solid preform and the solid preform is applied to a selected interior surface of the mold.

5 12. The method of claim 11 including the step of applying a pressure sensitive adhesive to the selected interior surface of the mold to immobilize the preform on the wall of the mold during the heating and rotating of the mold.

10 13. The method of rotational molding wherein hollow-form plastic parts are formed by charging thermoplastic polymer particles to a rotational mold comprising at least two mold parts having sealing faces which mate together on a parting line to form a closed internal mold cavity, closing and heating the mold to the molding temperature of the polyolefin while rotating the mold about its major and minor axes for a time sufficient to form the molded part, cooling the mold to a demolding temperature, opening the mold and ejecting the molded part and wherein the sealing faces of the mold mate with a separation gap along at least a portion of their sealing faces, the improvement which comprises:

15 20 applying the molding composition of claim 1 to said portion of the sealing faces of said mold parts prior to closing and heating the mold to close said gap when said mold is closed.